

are we the same?

Sense of the using brackets-314

Let's do these sums and see if they are the same or not.

1.) a: $12 + 7 - 5 = \underline{\quad}$

b: $(12 + 7) - 5 = \underline{\quad}$

Same / Different

2.) a: $15 + 8 + 4 = \underline{\quad}$

b: $(15 + 8) + 4 = \underline{\quad}$

Same / Different

3.) a: $17 - 8 + 6 = \underline{\quad}$

b: $(17 - 8) + 6 = \underline{\quad}$

Same / Different

4.) a: $13 - 9 - 4 = \underline{\quad}$

b: $(13 - 9) - 4 = \underline{\quad}$

Same / Different

Discovery:

are we the same?

Sense of the using brackets-314

Let check 4 other cases. See what you get?

1.) a: $5 + 4 + 6 =$ _____

b: $5 + (4 + 6) =$ _____

Same / Different

2.) a: $7 + 14 - 6 =$ _____

b: $7 + (14 - 6) =$ _____

Same / Different

3.) a: $11 - 3 + 5 =$ _____

b: $11 - (3 + 5) =$ _____

Same / Different

4.) a: $15 - 6 - 4 =$ _____

b: $15 - (6 - 4) =$ _____

Same / Different

Discovery:

If the brackets can be omitted, we should forget about them. It would speed up our calculation.

are we the same?

Sense of the using brackets-314

Ignore the brackets if possible. Pick an easier pair of numbers to calculate first.

Exercise:

1.) $(8 + 5) + 15 = \underline{\hspace{2cm}}$

2.) $(12 + 9) + 11 = \underline{\hspace{2cm}}$

3.) $(18 + 32) - 8 = \underline{\hspace{2cm}}$

4.) $(15 - 9) + 25 = \underline{\hspace{2cm}}$

5.) $(22 + 5) - 12 = \underline{\hspace{2cm}}$

6.) $(37 - 13) - 17 = \underline{\hspace{2cm}}$

7.) $(42 + 45) - 32 = \underline{\hspace{2cm}}$

8.) $(32 - 49) + 25 = \underline{\hspace{2cm}}$

9.) $16 + (4 + 5) = \underline{\hspace{2cm}}$

10.) $18 + (12 - 5) = \underline{\hspace{2cm}}$

11.) $7 + (9 - 7) = \underline{\hspace{2cm}}$

12.) $13 + (3 - 8) = \underline{\hspace{2cm}}$

13.) $16 - (6 + 5) = \underline{\hspace{2cm}}$

14.) $21 - (12 - 7) = \underline{\hspace{2cm}}$

15.) $64 - (34 + 5) = \underline{\hspace{2cm}}$

16.) $55 + (18 + 25) = \underline{\hspace{2cm}}$

17.) $(26 + 7) + 14 = \underline{\hspace{2cm}}$

18.) $37 + (23 - 7) = \underline{\hspace{2cm}}$

19.) $12 - (8 + 2) = \underline{\hspace{2cm}}$

20.) $(52 - 27) + 37 = \underline{\hspace{2cm}}$

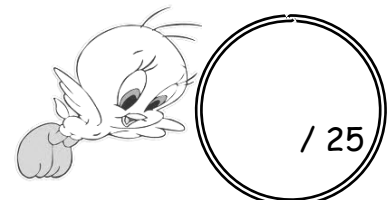
21.) $(44 - 17) - 14 = \underline{\hspace{2cm}}$

22.) $25 + (19 - 5) = \underline{\hspace{2cm}}$

23.) $(31 - 8) + 19 = \underline{\hspace{2cm}}$

24.) $61 + (14 - 11) = \underline{\hspace{2cm}}$

25.) $36 + (1 - 11) = \underline{\hspace{2cm}}$



are we the same? - HW

Sense of the using brackets-314

Ignore the brackets if possible. Pick an easier pair of numbers to calculate first.

1.) $(7 + 9) + 21 = \underline{\hspace{2cm}}$

2.) $24 - (18 - 9) = \underline{\hspace{2cm}}$

3.) $(37 + 28) - 8 = \underline{\hspace{2cm}}$

4.) $48 + (21 - 25) = \underline{\hspace{2cm}}$

5.) $(34 + 8) - 24 = \underline{\hspace{2cm}}$

6.) $98 - (38 + 17) = \underline{\hspace{2cm}}$

7.) $(83 + 18) - 23 = \underline{\hspace{2cm}}$

8.) $81 + (32 - 81) = \underline{\hspace{2cm}}$

9.) $(35 - 8) - 5 = \underline{\hspace{2cm}}$

10.) $43 + (17 - 34) = \underline{\hspace{2cm}}$

11.) $(53 - 24) + 17 = \underline{\hspace{2cm}}$

12.) $45 + (77 - 35) = \underline{\hspace{2cm}}$

13.) $72 - (72 - 18) = \underline{\hspace{2cm}}$

14.) $(12 + 23) + 17 = \underline{\hspace{2cm}}$

15.) $94 - (34 + 17) = \underline{\hspace{2cm}}$

16.) $26 + (38 + 24) = \underline{\hspace{2cm}}$

17.) $(37 + 18) + 23 = \underline{\hspace{2cm}}$

18.) $59 + (43 - 29) = \underline{\hspace{2cm}}$

19.) $(55 - 23) - 25 = \underline{\hspace{2cm}}$

20.) $(64 - 38) + 58 = \underline{\hspace{2cm}}$

21.) $25 + (5 + 18) = \underline{\hspace{2cm}}$

22.) $(27 - 8) + 33 = \underline{\hspace{2cm}}$

23.) $(75 - 28) + 18 = \underline{\hspace{2cm}}$

24.) $55 + (74 - 25) = \underline{\hspace{2cm}}$

25.) $18 + (23 - 31) = \underline{\hspace{2cm}}$

